Nikon

At the heart of the image

Inspiration on Contact

Walk Slowly

After several hours in the valley, the wind and mountain air wash away my day-to-day concerns.

I breathe deep as I climb the trail. Free from haste and competition at last, each step I take and each frame I shoot draw me closer to my true creative self.

That's when I see this woman, hair whipped by the wind, standing there as if she had been waiting for me to arrive.

Through observation and measured contemplation, I interpret the scene and camera settings on my own.

I am the photographer, not the camera.

With my fingers on the controls, my ideas and my photography connect more meaningfully.

So now I walk slowly, once again relishing each and every frame.

Df

• Lens: AF-S NIKKOR 50mm f/1.8G (Special Edition) • Image quality: 14-bit RAW (NEF) • Exposure: [A] mode, 1/320 second, f/7.1
• White balance: Auto 1 • Sensitivity: ISO 250 • Picture Control: Monochrome
©Jeremy Walker

• Lens: AF-S NIKKOR 28mm f/1.8G
• Image quality: 14-bit RAW (NEF)
• Exposure: [M] mode, 1/125 second, f/8
• White balance: Auto 1
• Sensitivity: ISO 2500
• Picture Control: Standard

©Jeremy Walker

The wind became stronger as the sun's light drained away for the day. I was walking along, simply absorbing the mood of this place, pondering the castle in its prime. As I reached the top of the hill, the wind caught the kilt of an old man nearby. At that moment, he turned back, and the scene seemed to transform into a painterly tableau.

• Lens: AF-S NIKKOR 28mm f/1.8G
• Image quality: 14-bit RAW (NEF)
• Exposure: [A] mode, 1/640 second, f/11
• White balance: Auto 1
• Sensitivity: ISO 400
• Picture Control: Landscape

©Jeremy Walker

When the rain finally broke, I went for a walk around the lake and spotted the remains of this boat. The sky cleared as I approached, and the clouds reflected off the calm, placid water, giving the scene something I responded to. Alone in the landscape with my camera, time seemed to stand still.

• Lens: AF-S NIKKOR 35mm f/1.4G
• Image quality: 14-bit RAW (NEF)
• Exposure: [M] mode, 1/125 second, f/2
• White balance: Auto 2
• Sensitivity: ISO 3200
• Picture Control: Standard

©Jeremy Walker

Unrushed and undisturbed, whisky develops in these casks, maturing over time. I moved slowly through the dimly lit distillery, quietly searching for moments like witnessing these two whisky makers in muted conversation. Time and silence made good partners.

• Lens: AF-S NIKKOR 70-200mm f/4G ED VR
• Image quality: 14-bit RAW (NEF)
• Exposure: [A] mode, 1/1,250 second, f/5.6
• White balance: Auto 1
• Sensitivity: ISO 1600
• Picture Control: Standard

©Jeremy Walker

Wherever I go, the camera leads me somewhere new. Energized and unburdened, I pushed forward with a new sense of freedom as I pursued more opportunities. The longer I walked, the more photographs I discovered. Every new corner offered a new moment to capture.

• Lens: AF-S NIKKOR 50mm f/1.8G (Special Edition)
• Image quality: 14-bit RAW (NEF)
• Exposure: [A] mode, 1/1,250 second, f/8
• White balance: Direct sunlight
• Sensitivity: Auto ISO sensitivity control (100)
• Picture Control: Standard

©Takeshi Fukazawa

From this vantage point, the color and mood seemed to change every minute that dawn drew closer.
A massive sea of clouds blanketed the world below, moving at a glacial pace,
obscuring all sound but the wind.

• Lens: AF-S VR Micro-Nikkor 105mm f/2.8G IF-ED
• Image quality: 14-bit RAW (NEF)
• Exposure: [A] mode, 1/800 second, f/8
• White balance: Direct sunlight
• Sensitivity: Auto ISO sensitivity control (800)
• Picture Control: Standard

©Takeshi Fukazawa

It was raining softly as I climbed the trail, and through the drizzle, a vivid color in the distance caught my eye.
I veered off of the path and walked along the brook to discover a patch of wild flowers.
I savored this moment of quiet in the woods - with only the sound of the rain as accompaniment.

Attached lens: AF-S NIKKOR 50mm f/1.8G (Special Edition)

Creative Potential at Every Turn: Distill your vision with intuitive controls

Tactile precision mechanics: one-of-a-kind images, all under your direct control

The large mechanical dials that dominate the top of the Df are where photographers will rediscover the pleasure of camera operations and the photographic process. The camera's top deck makes ISO sensitivity, shutter speed, and exposure compensation value constantly visible and accessible, which reassures photographers while inspiring them to more physically connect with the camera's settings. By transmitting one's photographic intentions through the Df's controls, the connection between photographer and camera is now more fulfilling than ever. In casual shooting situations, you can bypass the controls and let the Df's programmed auto mode do all the exposure calculations. However, with the Df in their grasp, passionate photographers will find their hands drawn to the mechanical dials and be inspired to craft their own pictures.

Intuitive simplicity: the key to distilling your creativity

Setting the Df to your intended exposure is intuitively simple. Each dial is dedicated to its single purpose: ISO sensitivity, shutter speed, and exposure compensation. Aperture can be set via the sub-command dial, or by the aperture ring of NIKKOR lenses, with the exception of G- and E-type lenses*. At a quick glance, you can check all current settings, as well as see how far you can adjust them. Settings can be altered directly from the dials whenever you feel the need. With this sense of reassurance, you can better contemplate your composition and exposure. When you want to control shutter speed more finely than in one EV steps, the shutter speed dial can be set to 1/3 STEP and controlled using the main command dial.

*Aperture control is also possible with PC-E lenses, which have aperture rings.

When set to 1/3 STEP, shutter speed can be controlled via the main command dial without taking your eye from the viewfinder

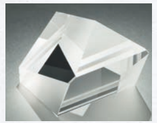
Precision design: the feel of elite operation

Thorough attention to every detail: that's why the Df feels right in your hands. Its sturdy build is designed to be with you wherever you go. The body is built with magnesium alloy parts, with a quality leather-tone finish that envelops its contours such as its handgrip. Every mechanical dial is carved from solid metal, each indicator engraved and painted across the top. The fine notches that encircle the dial offer controlled grip, each rotation providing a pleasing and reassuring click as it responds to the photographer's intention. With each operation the camera delivers the tactile sensation Nikon craftsmanship is known for.

Intimacy with your subject: glass pentaprism optical viewfinder with approx. 100% frame coverage

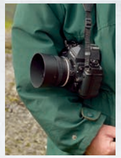
A quintessential element of SLR photography is looking through the clear optical viewfinder to feel intimacy with the subject. In order to truly optimize the large FX-format viewfinder image, the Df offers approx. 100% frame coverage, because how you position each element in the frame is crucial. The approx. 0.7x magnification* enhances the confirmation of every visual element in the frame, including the viewfinder information display. The large, bright viewfinder image and focusing screen are carefully designed to aid visual confirmation of precise focusing in both manual and autofocus modes. In addition, grid lines can optionally be placed across the viewfinder for accurate orientation.

*50mm f/1.4 lens at infinity, -1.0m^{-1}



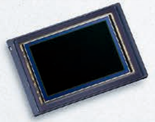
Creativity on a New Scale:
A fusion of sumptuous image quality and lightweight mobility

Authentic Nikon SLR design: the most portable of the FX-format D-SLRs



On the outside, the Df has all the attributes of tradition and authenticity. For some, the camera body's smaller size and sharper angles may evoke the era of earlier Nikon film SLRs especially when paired with the newly designed AF-S NIKKOR 50mm f/1.8G (Special Edition) and its matching aesthetic. However, others will see this unique hybrid as a new creature in its own right. Hold it in your hands and relish the tactile satisfaction of a well-balanced D-SLR camera that is the smallest and the lightest in the Nikon FX format. Now picture yourself concentrating more on shooting in a wider variety of places, for more hours, with less of the strain associated with large, heavy cameras. This is what the Df can do for you.

The quartet of true potential: NIKKOR, the Nikon FX-format image sensor, the EXPEED 3 image-processing engine and Picture Control



The Df's advantages are not merely skin-deep. When it comes to image quality, the Df incorporates a sophisticated FX-format CMOS image sensor with a large pixel pitch of 7.3 µm that is designed for optimum light-collecting efficiency and low noise, and the powerful EXPEED 3 image-processing engine, achieving exquisite, high-quality images. Paired with sharp and innovative NIKKOR lenses, the Df delivers images using 16.2 effective megapixels that are both stunningly versatile and easier to work with all around. By applying the Picture Control technology during image processing, the tones are smooth, the colors are rich and accurate, and each image has the depth you expect from FX format. And the Df's state-of-the-art sensor and engine also work together to minimize noise throughout the wide ISO range. The Df offers a TIFF recording option for uncompressed files as well as RAW and JPEG. With its sumptuous image quality and new level of FX-format portability, the Df opens up entirely new photographic opportunities.

The power to change your photography: richly superior image quality and ISO range in a more portable size

Taken at ISO 6400 *©Jeremy Walker*

Exceptional versatility is where the Df's imaging potential excels. Regardless of the scene's volume of light, the Df is ready and will not let you down. In situations where light is scarce and a tripod is not available, the camera's superb high ISO performance allows you to use faster shutter speeds for handheld shooting and still produce clean, sharp, richly detailed and pleasingly saturated images with little noise. Moreover, when shooting with low ISOs under abundant or even harsh lighting with strong contrasts, the Df still delivers subtle tones, crisp edges and fine details in both highlight and shadow areas, without narrowing the dynamic range. The camera's portability and capable management of diverse lighting situations can liberate photographers and spark their imagination, both within the camera's standard ISO range of 100 to 12800, or when further expanded to the equivalent of ISO 50 and ISO 204800.

Photographic flexibility: Picture Control System, Active D-Lighting and HDR

Your images will now appear as you imagined them with Nikon's original Picture Control System. The Df has six built-in options: Standard, Neutral, Vivid, Monochrome, Portrait, and Landscape. Select one to match your intention or the scene's conditions and render a unique yet natural photographic look. Each option further allows you to adjust parameters such as sharpening, contrast, and brightness. It is also possible to save the parameters of adjusted files as Custom Picture Controls so that you can return to the exact photographic style you desire whenever you like. When taking pictures of high-contrast subject matter, Active D-Lighting helps preserve details in both highlights and shadows while maintaining the image's natural photographic appearance. Exclusive to digital photography, HDR (High Dynamic Range)* combines two images taken at different exposures within up to 3 EV differentials with one shutter release, to produce a single image that covers a wider dynamic range.

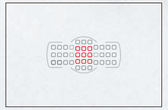
Active D-Lighting: Extra high 2
©Takeshi Fukuzawa

*Tripod use is recommended for HDR shooting

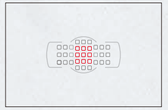
Performance with Creative Purpose: Engin eered to draw out your photographic instincts

The power to capture

The Df's innovative fundamentals are designed to keep photographers inspired. Its Multi-CAM 4800 autofocus sensor module has 39 tightly packed, strategically placed focus points that work together like a net to track your subject and lock it into sharp focus. The nine cross-type sensors in the center provide further accuracy, even when your subject has little light or contrast to focus on. Even when the maximum effective aperture of your telephoto lens is as slow as f/8 with a teleconverter attached, you can still rely on the Df's AF performance with seven active focus points. If speed is required, the Df is capable of continuous bursts at approx. 5.5 fps[*1] for up to 100 shots[*2]. Nikon's exclusive Scene Recognition System uses the 2016-pixel RGB sensor and image sensor to precisely analyze every shooting scene before a picture is taken and then apply the data to fine-tune the autofocus, auto exposure, i-TTL balanced fill-flash and auto white balance control. The result: profound accuracy.



All 39 AF points perform with f/5.6 or faster



33 AF points perform with apertures slower than f/5.6 and faster than f/8

Seven AF points perform with f/8

▢ *Perform as cross-type sensor*

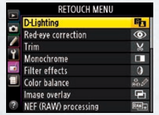
*1 Based on CIPA Guidelines
*2 When shot in JPEG

The power to display and edit

Whether in bright sunlight or dim interiors, it is critical for photographers to easily be able to check images and camera information through the camera's LCD. The Df's large, 8-cm/3.2-in., approx. 921k-dot, high-definition LCD monitor has a wide viewing angle, delivering clear visibility with less surface reflection thanks to an integrated glass and panel structure. The extended color reproduction range ensures better image reviewing. The playback zoom can magnify large-size FX-format images up to approx. 30x (by length comparison) for quick and accurate focus confirmation. The LCD's text and background colors switch as your location's ambient light changes, so that you can view camera information more clearly. The convenient **i** button on the back of the camera body allows direct access to menu settings. Simply press the button to change settings and modes both during optical viewfinder shooting and live view shooting – all without digging deep into the menu. Pressing this button during playback prompts a variety of retouch menu options to appear on the monitor.

During optical viewfinder shooting: Quick change of settings is available on the information display even when the LCD monitor is turned off

During live view shooting: Settings can be changed on the LCD



During playback: Quick access to the retouch menu

The power to adapt

In live view shooting, the Df has a new 9-cell framing grid display in addition to the 16-cell framing grid for better 3:2 aspect ratio composition, as well as 16:9 and 1:1 aspect ratios for post-shoot trimming. Virtual horizon displays the rolling and pitching directions on the LCD monitor, while the rolling direction can be seen in the viewfinder. Spot White Balance lets you easily acquire preset manual data based on a specific area within the frame you select during live view. You can quickly reach a completely faithful white balance setting for your selected subject by moving the target across the entire frame with the multi selector. This eliminates the need to use a gray card and allows you to quickly acquire preset data even from a distant subject. This is convenient when shooting indoors, where light sources are more likely to be mixed.

Virtual horizon indicates rolling and pitching directions

1:1 aspect ratio indication in live view for post-shoot trimming

9-cell framing grid display facilitates better composition in live view

The power to withstand

The Df has been designed to be lightweight and well balanced, especially with compact prime NIKKORs. These benefits – all of which are important for many types of shooting excursions – come without sacrificing dependability. The camera's top, rear and bottom covers use light and durable magnesium alloy, while various sections of the camera body are effectively sealed to attain superior dust-prevention and weather-resistance, equivalent with the D800 series. The Df employs a high-speed and high-precision sequential control mechanism that drives the shutter, mirror and aperture independently, and the shutter has been tested for 150,000 cycles with the shutter unit and driving mechanism actually loaded in the camera to prove its high durability. The shutter unit also incorporates a compact self-diagnostic shutter monitor to maintain the highest levels of accuracy. Together with energy-efficient power management and the compact EN-EL14a Rechargeable Li-ion Battery, it is possible to shoot up to approx. 1,400 shots* per charge.

*Based on CIPA Standards

Compact and powerful EN-EL14a Rechargeable Li-ion Battery

Light and durable magnesium alloy for top, rear and bottom covers

Anti-dust and anti-moisture sealing

Magnify Your Creative Vision: NIK KOR lenses and the Nikon system

©Jeremy Walker

AF-S NIKKOR 58mm f/1.4G

This lens achieves a more natural reproduction of depth through a steady transition of bokeh: from sharply focused to fully blurred. Designed for smooth manual focusing and exquisite sharpness even at the maximum aperture, this is a great lens choice for portraits, as well as landscapes.

NIKKOR – sharp, accurate, versatile and reliable

Only a high-quality, high-performance lens can draw out the full potential of the Df. NIKKOR lenses feature superior optical performance and reliability that are highly praised by professionals around the world. Nikon's original technologies such as Nano Crystal Coat that effectively reduces ghost and flare effects even under harsh lighting, and Vibration Reduction that compensates camera shake in low-lit conditions reliably support high image quality of the Df. The vast NIKKOR lineup continues to grow, as do the opportunities for their users. Each and every one of them acts as a prism to transform a photographer's ideas into images, helping them push their creativity further.

80 million NIKKOR

80 YEARS NIKKOR LENSES

©Jeremy Walker

AF-S NIKKOR 50mm f/1.8G (Special Edition)

Based on the AF-S NIKKOR 50mm f/1.8G, this lens was crafted specifically for the Df, with an aesthetic design to match, including a silver aluminum ring, a leather-tone finish and a knurled focus ring. Ideal for portraits, still-life shots, travel and more, it offers stunning sharpness and quality background blur with the superb optical system, including an aspherical lens element. Expect quiet and smooth AF from its light and compact body.

©Jeremy Walker

AF-S NIKKOR 35mm f/1.4G

A great choice for nature, landscapes, and night scenes, this lens achieves a remarkable level of coma aberration correction and delivers stunning images even at a wide-open aperture. Nano Crystal Coat drastically reduces ghost and flare effects that would be otherwise inherent to shooting wide-angle.

©Jeremy Walker

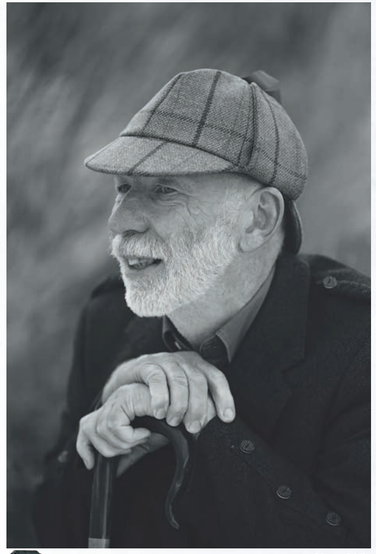
AF-S NIKKOR 28mm f/1.8G

Delivering stunning sharpness and clarity, this lens is an excellent choice for a wide range of subject matter, including environmental portraits, landscapes, interiors and candid shots. Its fast open aperture produces beautifully natural bokeh, while its Nano Crystal Coat reduces ghost and flare to enhance image quality even further.

©Takeshi Hazawa

AF-S VR Micro-Nikkor 105mm f/2.8G IF-ED

This lens has built-in Vibration Reduction for easy handheld macro shooting, offering crisp yet natural images in any genre of photography, including portraiture. It offers a convenient working distance for shooting close-ups of flowers, insects and other small wildlife. Nano Crystal Coat effectively reduces ghost and flare effects.



©Jeremy Walker

AF-S NIKKOR 85mm f/1.8G

An approachable portrait prime that employs a new optical design, the lens delivers both stunning details and quality bokeh from a surprisingly light and compact body. Expect incredibly sharp and natural portraits in various lighting conditions.

The Nikon F mount – breathing new life into vintage NIKKOR lenses

In addition to the great satisfaction of taking pictures with the latest state-of-the-art NIKKOR lenses, the Df offers another profound pleasure: compatibility with vintage NIKKORs. Its lens mount was designed with a collapsible metering coupling lever to accept almost all NIKKOR lenses, including non-AI lenses*. By matching the aperture value set with the lens aperture ring to the camera via the command dial, you can enjoy full-aperture metering with vintage NIKKORs and obtain more accurate results (compatible only with A or M exposure mode). Relish the creative potential that becomes possible when you combine vintage lenses with the latest digital technology.

*Certain non-AI lenses are not compatible

©Jeremy Walker

SB-700 attached to the Df

Nikon Speedlights and the Creative Lighting System – improve your photographic artistry

Accomplish studio-quality lighting anywhere. With the Df, the Creative Lighting System and Nikon Speedlights, you can. Both the portable and powerful flagship SB-910 and the compact and intuitive SB-700 employ innovative i-TTL flash control that makes flash exposure results accurate and simple. Open up the shadows in your subject matter with a direct flash from the hot shoe, or easily create side lighting for more depth and smooth, rounded tones. One Speedlight and a TTL remote cord make it possible. By incorporating Speedlights compatible with Advance Wireless Lighting, you can transform the mood of your photography in ways that are impossible with available light. The Df and Creative Lighting System make it easy.

The hot-shoed SU-800 commander wirelessly controls two remote SB-700 units – one to illuminate the main subject from the side, the other to light the top of the barrels from behind.

More Applications – GPS unit, wireless mobile adapter, wireless remote controllers

GP-1/GP-1A GPS Unit (optional)
Enables the recording of location information such as latitude, longitude, altitude and UTC (Universal Coordinated Time) as Exif data. Images with location information can be displayed on the Map workspace of ViewNX 2. The information can also be used on Nikon's image-sharing and storage service NIKON IMAGE SPACE, as well as other online image-sharing services and digital mapping software.

WU-1a Wireless Mobile Adapter (optional)
Enables communication via wireless LAN between the camera and smart devices such as smartphones and tablets. You can also use your smart device as a remote live view monitor to confirm the image and shoot. Images transmitted to your smart device can be shared immediately. The adapter is compatible with smart devices using the iOS and Android™ Operating System.

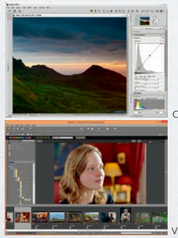
Note: Using the WU-1a connected to a smart device requires you to install Wireless Mobile Utility (can be downloaded free from the application store of each smart device) to the device prior to use.

WR-1 Wireless Remote Controller (optional)
By setting one WR-1 as a transmitter and another as a receiver attached to the Df, it is possible to view or change the camera settings using the display of the transmitter. Utilizing radio waves, the communication range between WR-1 units can reach to 120 m/394 ft. There are various remote shooting options, such as: simultaneous release of shutters on several cameras; release of shutters on several cameras synchronized with a master camera that has a WR-1 attached; remote control of each group of cameras separately, and Interval Timer Photography. Remote shooting by combining the WR-1 with the WR-R10/WR-T10 is also possible.

WR-R10/WR-T10 Wireless Remote Controllers (optional)
You can control a single camera or multiple cameras with a WR-R10 attached (number of cameras is unlimited) by using the WR-T10 as a transmitter. The maximum communication distance between the WR-R10 and WR-T10 is 20 m/66 ft.

Nikon Software – draw the most out of your RAW files

Supplied with the camera, Nikon's ViewNX 2 software makes it simple to import and browse images, incorporating commonly used image-editing functions such as resize, straighten and brightness adjustment. As the world's professionals and serious photographers know, the Nikon RAW image format known as NEF (Nikon Electronic Format) maintains an extremely rich set of data, but simple RAW processing is also available with ViewNX 2. If you want to fully utilize the potential of RAW images, the optional Capture NX 2 does the job best with its wide array of intuitive editing tools such as Auto Retouch brush, Batch Processing, Quick Fix, Straighten Tool, Vignette Control, Auto Color Aberration Control and Distortion Control.



Capture NX 2

ViewNX 2

Nomenclature

1. Eyelet for camera strap
2. Sub-command dial
3. Depth-of-field preview button
4. Fn button
5. Self-timer lamp
6. Metering coupling lever (collapsible)
7. Flash sync terminal cap/Flash sync terminal
8. Lens release button
9. Lens mount
10. Mirror
11. Menu button
12. Help button/Protect button/White Balance button
13. Playback zoom in button/Image quality button/Image size button
14. Playback zoom out button/Thumbnails button/Flash mode button/Flash compensation button/Two-button reset button
15. ɨ button
16. Playback button
17. Delete button
18. Viewfinder eyepiece
19. Viewfinder
20. Diopter adjustment control
21. AE/AF lock button
22. AF-ON button
23. Main command dial
24. Metering selector
25. Multi selector
26. OK button
27. Focus selector lock
28. Memory card access lamp
29. Monitor
30. Live view button
31. Info button
32. Bracketing button
33. Lens mounting mark
34. AF-mode button
35. Focus-mode selector
36. USB connector cover/USB connector
37. HDMI connector cover/HDMI mini-pin connector
38. Cover for accessory terminal/Accessory terminal
39. Power switch
40. Release socket
41. Shutter-release button
42. Exposure compensation dial lock release
43. Exposure compensation dial
44. ISO sensitivity dial lock release
45. ISO sensitivity dial
46. Focal plane mark
47. Accessory shoe (for optional flash unit)
48. Shutter-speed dial
49. Shutter-speed dial lock release
50. Release mode dial
51. Control panel
52. Exposure mode dial
53. LCD illuminator button/Two-button reset button
54. Power connector cover
55. Battery-chamber cover/Memory card slot cover
56. Battery-chamber cover latch/Memory card slot cover latch
57. Tripod socket
58. Control panel (full display)

Optional Accessories

CF-DC6 Semi-Soft Case (black)

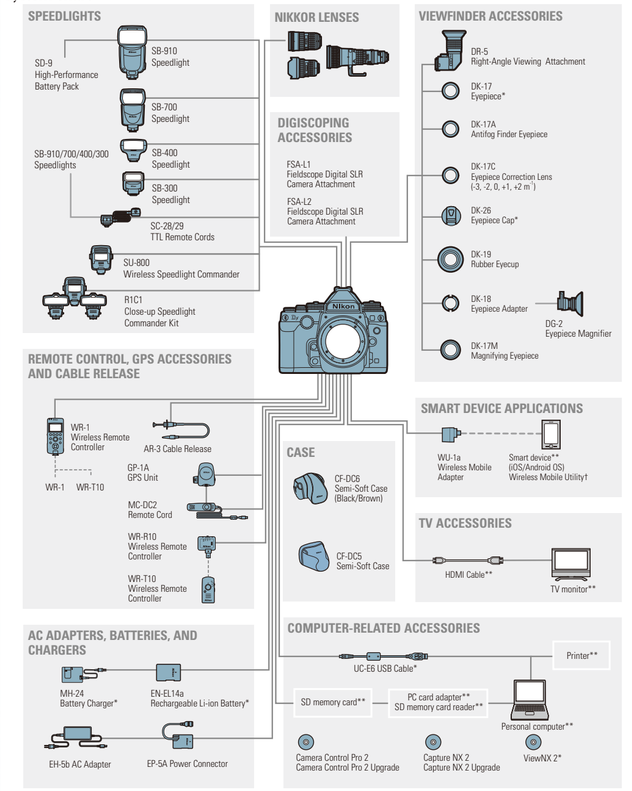
CF-DC6 Semi-Soft Case (brown)

AN-SPL001 Premium Leather Strap (Black/Brown)

Included Accessories

AN-DC9 Camera Strap

System chart



† Can be downloaded from the application store of each smart device (free)

*Supplied accessories **Non-Nikon products

Specifications

Type of camera	Single-lens reflex digital camera
Lens mount	Nikon F mount (with AF coupling and AF contacts)
Effective angle of view	Nikon FX format
Effective pixels	16.2 million
Image sensor	36.0 × 23.9 mm CMOS sensor
Total pixels	16.6 million
Dust-reduction system	Image sensor cleaning, Image Dust Off reference data (optional Capture NX 2 software required)
Image size (pixels)	FX format (36 × 24): 4,928 × 3,280 [L], 3,696 × 2,456 [M], 2,464 × 1,640 [S] DX format (24 × 16): 3,200 × 2,128 [L], 2,400 × 1,592 [M], 1,600 × 1,064 [S]
File format	• NEF (RAW): 12 or 14 bit, lossless compressed, compressed, or uncompressed • TIFF (RGB) • JPEG: JPEG-Baseline compliant with fine (approx. 1:4), normal (approx. 1:8), or basic (approx. 1:16) compression (Size priority); optimal quality compression available • NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
Picture Control System	Standard, Neutral, Vivid, Monochrome, Portrait, Landscape; selected Picture Control can be modified; storage for custom Picture Controls
Storage media	SD (Secure Digital) and UHS-I compliant SDHC and SDXC memory cards
File system	DCF (Design Rule for Camera File System) 2.0, DPOF (Digital Print Order Format), Exif (Exchangeable Image File Format for Digital Still Cameras) 2.3, PictBridge
Viewfinder	Eye-level pentaprism single-lens reflex viewfinder
Frame coverage	FX (36 × 24): Approx. 100% horizontal and 100% vertical DX (24 × 16): Approx. 97% horizontal and 97% vertical
Magnification	Approx. 0.7x (50 mm f/1.4 lens at infinity, -1.0 m^{-1})
Eyepoint	15 mm (-1.0 m^{-1}); from center surface of viewfinder eyepiece lens)
Diopter adjustment	-3 to +1 m^{-1}
Focusing screen	Type B BriteView Clear Matte Mark VIII screen with AF area brackets (framing grid can be displayed)
Reflex mirror	Quick return
Depth-of-field preview	Pressing Pv button stops lens aperture down to value selected by user (exposure modes A and M) or by camera (exposure modes P and S)
Lens aperture	Instant return, electronically controlled
Compatible lenses	Compatible with AF NIKKOR lenses, including type G, E, and D lenses (some restrictions apply to PC lenses) and DX lenses (using DX 24 × 16 1.5x image area), AI-P NIKKOR lenses and non-CPU lenses. IX NIKKOR lenses and lenses for the F3AF cannot be used The electronic rangefinder can be used with lenses that have a maximum aperture of f/5.6 or faster (the electronic rangefinder supports the center 7 focus points with lenses that have a maximum aperture of f/8 or faster and the center 33 focus points with lenses that have a maximum aperture of f/7.1 or faster)
Shutter type	Electronically controlled vertical-travel focal-plane shutter
Shutter speed	1/4000 to 4 s in steps of 1 EV (1/4000 s to 30 s in steps of 1/3 EV with main command dial), X200 (with shutter-speed dial only), bulb, time
Flash sync speed	X=1/200 s; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250s)
Release modes	S (single frame), C_L (continuous low speed), C_H (continuous high speed), Q (quiet shutter-release), ⏲ (self-timer), M_{up} (mirror up)
Frame advance rate	1 to 5 fps (C_L) or 5.5 fps (C_H)
Self-timer	2 s, 5 s, 10 s, 20 s; 1 to 9 exposures at intervals of 0.5, 1, 2, or 3 s
Exposure metering	TTL exposure metering using 2016-pixel RGB sensor
Metering method	• Matrix: 3D color matrix metering II (type G, E and D lenses); color matrix metering II (other CPU lenses); color matrix metering available with non-CPU lenses if user provides lens data • Center-weighted: Weight of 75% given to 12-mm circle in center of frame; diameter of circle can be changed to 8, 15, or 20 mm, or weighting can be based on average of entire frame (non-CPU lenses use 12-mm circle) • Spot: Meters 4-mm circle (about 1.5% of frame) centered on selected focus point (on center focus point when non-CPU lens is used)
Metering range (ISO 100, f/1.4 lens, 20°C/68°F)	• Matrix or center-weighted metering: 0 to 20 EV • Spot metering: 2 to 20 EV
Exposure meter coupling	Combined CPU and AI (collapsible metering coupling lever)
Exposure modes	Programmed auto with flexible program (P); shutter-priority auto (S); aperture-priority auto (A); manual (M)
Exposure compensation	-3 to +3 EV in increments of 1/3 EV
Exposure bracketing	2 to 5 frames in steps of 1/3, 2/3, 1, 2 or 3 EV
Flash bracketing	2 to 5 frames in steps of 1/3, 2/3, 1, 2 or 3 EV
Exposure lock	Luminosity locked at detected value with AE-L/AF-L button
ISO sensitivity (Recommended Exposure Index)	ISO 100 to 12800 in steps of 1/3 EV; can also be set to approx. 0.3, 0.7, or 1 EV (ISO 50 equivalent) below ISO 100 or to approx. 0.3, 0.7, 1, 2, 3, or 4 EV (ISO 204800 equivalent) above ISO 12800; auto ISO sensitivity control available
Active D-Lighting	Can be selected from auto, extra high +2/+1, high, normal, low, or off
ADL bracketing	2 frames using selected value for one frame or 3 to 5 frames using preset values for all frames
Autofocus	Nikon Multi-CAM 4800 autofocus sensor module with TTL phase detection, fine-tuning, and 39 focus points (including 9 cross-type sensors; the center 33 points are available at apertures slower than f/5.6 and faster than f/8, while the center 7 focus points are available at f/8)
Detection range	-1 to +19 EV (ISO 100, 20°C/68°F)
Lens servo	• Autofocus (AF): Single-servo AF (AF-S); continuous-servo AF (AF-C); predictive focus tracking activated automatically according to subject status • Manual focus (M): Electronic rangefinder can be used
Focus point	Can be selected from 39 or 11 focus points
AF-area modes	Single-point AF, 9-, 21- or 39-point dynamic-area AF, 3D-tracking, auto-area AF
Focus lock	Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button
Flash control	TTL: i-TTL flash control using 2016-pixel RGB sensor is available with SB-910, SB-900, SB-800, SB-700, SB-600, SB-400, or SB-300; i-TTL balanced fill-flash for digital SLR is used with matrix and center-weighted metering, standard i-TTL flash for digital SLR with spot metering
Flash modes	Front-curtain sync, slow sync, rear-curtain sync, red-eye reduction, red-eye reduction with slow sync, slow rear-curtain sync, Auto FP High-Speed Sync supported
Flash compensation	-3 to +1 EV in increments of 1/3
Flash-ready indicator	Lights when optional flash unit is fully charged; flashes after flash is fired at full output
Accessory shoe	ISO 518 hot-shoe with sync and data contacts and safety lock
Nikon Creative Lighting System (CLS)	Advanced Wireless Lighting supported with SB-910, SB-900, SB-800 or SB-700 as a master flash and SB-600 or SB-R200 as remotes, or SU-800 as commander; Auto FP High-Speed Sync and modeling illumination supported with all CLS-compatible flash units except SB-400 and SB-300; Flash Color Information Communication and FV lock supported with all CLS-compatible flash units
Sync terminal	ISO 519 sync terminal with locking thread
White balance	Auto (2 types), incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual (up to 4 values can be stored, spot white balance measurement available during live view), choose color temperature (2500 K to 10000 K), all with fine-tuning
White balance bracketing	2 to 3 frames in steps of 1, 2 or 3
Live view lens servo	• Autofocus (AF): Single-servo AF (AF-S); full-time-servo AF (AF-F) • Manual focus (M)
Live view AF-area modes	Face-priority AF, wide-area AF, normal-area AF, subject-tracking AF
Live view autofocus	Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
Monitor	8-cm/3.2-in. , approx. 921k-dot (VGA), low-temperature polysilicon TFT LCD with approx. 170° viewing angle, approx. 100% frame coverage, and brightness control
Playback	Full-frame and thumbnail (4, 9, or 72 images or calendar) playback with playback zoom, photo slide shows, histogram display, highlights, photo information, location data display, and auto image rotation
USB	Hi-Speed USB
HDMI output	Type C mini-pin HDMI connector
Accessory terminal	• Wireless remote controllers: WR-R10 and WR-1 (available separately) • Remote cord: MC-DC2 (available separately) • GPS units: GP-1/GP-1A (available separately)
Supported languages	Arabic, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian
Battery	One EN-EL14a Rechargeable Li-ion Battery
AC adapter	EH-5b AC Adapter; requires EP-5A Power Connector (available separately)
Tripod socket	1/4 in. (ISO 1222)
Dimensions (W x H x D)	Approx. 143.5 x 110 x 66.5 mm/5.6 × 4.3 × 2.6 in.
Weight	Approx. 765 g/1 lb 11 oz with battery and memory card but without body cap; approx. 710 g/1 lb 9 oz (camera body only)
Operating Environment	Temperature: 0 to 40°C/32 to 104°F; humidity: 85% or less (no condensation)
Supplied accessories (may differ by country or area)	EN-EL14a Rechargeable Li-ion Battery, MH-24 Battery Charger, DK-26 Eyepiece Cap, String for eyepiece cap, UC-E6 USB Cable, AN-DC9 Camera Strap, BF-1B Body Cap, BS-1 Accessory Shoe Cover, ViewNX 2 CD-ROM

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HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

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WARNING **TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTATION IS SUPPLIED ON CD-ROM ONLY.**

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